

**SHERARDIA ARVENSIS* L. Williamsburg, June 10, 1920. No. 2691. In grass in an orchard at edge of town. Not reported from Virginia in current manuals.

***CHRYSOPSIS ASPERA* Shuttl. Near Williamsburg, Sept. 19, 1920. No. 3044. Occurs in dry clay soil; frequent in open situations. Not reported north of North Carolina.

RUDBECKIA LACINIATA L., var. *HUMILIS* Gray. Near Williamsburg. 1920 and 1921. Nos. 4372, 4598, 4469, 3242, 4600. Wooded flood-plain swamps and wet thickets at a number of stations. Previously reported only from the region of the Alleghanies.

***HELIANTHUS SCHWEINITZII* T. & G. Near Williamsburg, Sept. 27, 1921. No. 4474. Sphagnum-magnolia swamp. Not reported north of North Carolina.

COLLEGE OF WILLIAM AND MARY, Williamsburg, Va.

REPORTS ON THE FLORA OF THE BOSTON DISTRICT,—XXXVI.

ERICACEAE.

ANDROMEDA.

A. glaucophylla Link. Cold peat-bogs; occasional from Needham and Natick northward; also at Billings Pond, Sharon.

ARCTOSTAPHYLOS.

A. Uva-ursi (L.) Spreng., var **coactilis** Fernald & Macbride. See RHODORA xvi. 211-213, 1914. Dry sandy and rocky soil, frequent throughout.

CALLUNA.

C. VULGARIS (L.) Hull. Moist pasture, Tewksbury (*J. Dawson*, 1860; *Wm. Boott*, Aug. 1861; *A. Gray*, Sept. 2, 1861; other recent collections); Halifax (*E. & C. E. Faxon*, Sept. 7, 1890); Andover. See RHODORA ii. 53-54, 1900.

CHAMAEDAPHNE.

C. calyculata (L.) Moench. Bogs and swamps, common throughout.

CHIMAPHILA.

C. maculata (L.) Pursh. Dry woods, occasional.

C. umbellata (L.) Nutt., var. **cisatlantica** Blake. See RHODORA xix. 240–242, 1917. Dry woods, common throughout.

CHIOGENES.

C. hispidula (L.) T. & G. Occasional in northern part of district; frequent in *Chamaecyparis* swamps southward.

CLETHRA.

C. alnifolia L. Swampy places, common throughout; most abundant in southeastern towns.

EPIGAEA.

E. repens L. Dry woods and fields; well distributed originally, but seldom abundant, especially in recent years.

GAULTHERIA.

G. procumbens L. Woods and fields, common throughout.

G. procumbens L., forma **suborbiculata** Fernald.¹ Woods, a large patch, Concord (*George Buttrick*, autumn of 1895). See RHODORA xxii. 155–156, 1920. Specimens in herb. N. E. Botanical Club and herb. W. Deane.

¹The circumstances attending the securing of *Gaultheria procumbens* L., forma *suborbiculata* Fernald, the only record thus far for the district covered by this paper, are interesting and pathetic. George Buttrick was a descendant of an old Concord family and, with two maiden sisters, lived in Concord on the hill overlooking the bridge where the fight took place on April 19, 1775. The troops were commanded by Maj. Buttrick, great grandfather of George. Mrs. Deane and I spent the month of July 1893, with the family and Mr. Buttrick was keenly interested in my botanical work. Later, in November, 1895, he fell sick. A swelling in the throat, which was incurable, was slowly sapping his vitality, but he moved about the place and retained, as far as possible, the vigor of former years.

On December 1, 1895, I received an earnest request from Mr. Buttrick to call upon him. I immediately went to Concord and proceeded to the house. My journal says that I found him comfortable and suffering no pain. He was lying on the couch and knew that he had but few days more to live. Reaching under the sofa he drew forth a brown paper bag filled with dried plants of *Gaultheria* which he had gathered, not long before, some two and a half miles from the house. The plants covered an area of about a quarter of an acre and he was much struck by the shape of the leaves. He said that the leaves were very round and the plants pulled up much harder than the ordinary form. He hoped I could visit the spot, for Minot Pratt, who was with him at the time, would show me the way. He was sorry he couldn't go too, but he shouldn't be here for he was going away. It was very pathetic and I honored the New England grit of the man. I took the plants with me and specimens are in my own herbarium and that of the New England Botanical Club. Mr. Buttrick died on December 18, following, and I shall always connect his name with this interesting form of our common Checkerberry.—WALTER DEANE.

GAYLUSSACIA.

G. baccata (Wang.) K. Koch. Dry fields and open woods, common throughout.

G. baccata (Wang.) K. Koch, forma **glaucocarpa** (Robinson) Mackenzie. Borders of woods, Andover (*A. S. Pease*, July 27, 1903); Sherborn (*M. L. Loomis*, July 25, 1911); Norfolk (*R. A. Ware*, Aug. 8, 1911); Blue Hill, Norfolk Co. (*N. T. Kidder*, Aug. 11, 1919).

G. dumosa (Andr.) T. & G., var. **Bigeloviana** Fernald. See RHODORA xiii. 99, 1911. Peat-bogs, occasional west and north of Boston; only stations south being at Billings Pond, Sharon, and at Canton.

G. frondosa (L.) T. & G. Thickets and open woods; generally distributed, but not usually very abundant.

KALMIA.

K. angustifolia L. Pastures, roadsides and open woods, common throughout. Collected at Cambridgeport by George B. Emerson, June 30, 1838.

K. angustifolia L., forma **candida** Fernald. See RHODORA xv. 151-152, 1913. Sherborn (*M. L. Loomis*, June 15, 1913). Specimen in herb. Boston Soc. Nat. Hist.

K. latifolia L. Moist woods and swamps, frequent. Not abundant, but usually preserved by its isolation.

K. polifolia Wang. Peat-bogs, 11 stations in Essex and Middlesex Counties.

LEDUM.

L. groenlandicum Oeder. Dry pine woods near Arsenal, Watertown (*Wm. Oakes*, no date); Bedford (*L. L. Dame*, no date); Concord (*E. S. Hoar*, June 7, 1858; *Horace Mann*, 1862; *J. R. Churchill*, May 20, 1880; *Mrs. Alice Hickes*, June 5, 1888, and others); Littleton (*W. H. Manning*, Aug. 13, 1882); Natick, according to Dame & Collins, Fl. Middlesex Co., 63, 1888.

LEUCOTHOË.

L. racemosa (L.) Gray. Swamps and wet thickets; rare in northern portion; well distributed and fairly abundant from Middlesex Fells south and southwest. This shrub and *Clethra* are the favorite hosts for *Cuscuta compacta* Juss.

LYONIA.

L. ligustrina (L.) DC. Moist soil, common throughout. Forms with leafy inflorescence do not seem to be the southern var. *foliosiflora* (Michx.) Fernald.

MONESES.

M. uniflora (L.) Gray. Rich moist woods in Essex County (see J. Robinson, Fl. Essex Co. 74, 1880); also Reading, Stoneham, Westford, Waltham and Natick.

MONOTROPA.

M. Hypopitys L. Rich woods, occasional.

M. uniflora L. Damp woods, common.

PYROLA.

P. americana Sweet. Woods and open places, common.

P. chlorantha Sw., var. **convoluta** (Barton) Fernald. See RHODORA xxii. 49, 1920. Freely distributed over the district in dry open woods as far south as Walpole, and probably throughout.

P. elliptica Nutt. Woods, sometimes in the open; frequent, but not reported from southeastern towns.

P. rotundifolia L., var. **americana** (Sweet) Fernald. See RHODORA xxii. 122, 1920. Woods and open places, common.

P. secunda L. Rich woods; occasional from Norwood and Hopkinton north and east.

RHODODENDRON.

R. canadense (L.) BSP. Swamps, frequent in Essex and Middlesex Counties, rare southward.

R. canescens (Michx.) G. Don. Wooded banks of Jennings Pond, Natick (*K. M. Wiegand*, May 27, 1912); dry open woods, Wellesley Hills (*Isaac Sprague, Jr.*, May 25, 1911); specimen in herb. Boston Soc. Nat. Hist. Reports of *R. nudiflorum* from the western towns in Dame & Collins, Fl. Middlesex Co. 63, 1888 are probably this species.

R. maximum L. Wooded swamps at Medfield and Walpole.

R. nudiflorum (L.) Torr. Purgatory Swamp. It has been collected between 1880 and 1897.

R. VASEYI Gray. Persistent at old nursery site in Halifax and escaping into moist sandy woods (*J. A. Cushman, C. H. Knowlton et al.*, May 30, 1907). A species from North Carolina.

R. viscosum (L.) Torr. Swamps and wet woods, common throughout.

R. viscosum (L.) Torr., var. **glaucum** (Michx.) Gray. Frequent with the typical plants.

R. viscosum (L.) Torr., var. **nitidum** (Michx.) Gray. Low woods, Blue Hill Reservation (*J. R. Churchill*, June 28, 1914); Marshfield (*J. R. Churchill & C. H. Knowlton*, July 4, 1914).

VACCINIUM.

V. atrococcum (Gray) Heller. Swampy ground, apparently common.

V. atrococcum (Gray) Heller, forma **leucococcum** Deane, n. comb. *V. corymbosum* var. *atrococcum*, forma *leucococcum* Deane, RHODORA iii. 265, 1901. Single bush with typical *V. corymbosum* and *V. atrococcum*, constant for years in a field near reservoir, Andover (*A. S. Pease*, July 27, 1901, May 11, 1902). Specimens in herb. N. E. Botanical Club and herb. Walter Deane. See RHODORA iii. 265. 1901.

V. corymbosum L. Wet woods to open hillsides, common throughout.

V. corymbosum L., var. **amoenum** (Ait.) Gray. Concord (*E. S. Hoar*, May 16, 1858); border of swamp, Sherborn (*M. L. Loomis*, May 14, 1912); Milton (*J. R. Churchill*, May 26, 1901); Blue Hill Reservation, Blue Hill River Road (*N. T. Kidder*, May 15, 1919); wet places near summit of Blue Hill (*N. T. Kidder*, Aug. 11, 1919).

V. corymbosum L., var. **pallidum** (Ait.) Gray. Swamp, Sudbury (*J. R. Churchill*, May 30, 1900); wet ground near swamp, Sherborn, (*M. L. Loomis*, May 18 and 22, July 22, 1912).

V. macrocarpon Ait. Bogs and swamps, common throughout, except possibly in western towns.

V. Oxycoccus L. Bogs, occasional from Canton north.

V. pennsylvanicum Lam. Dry fields and open woods, common throughout.

V. pennsylvanicum Lam., var. **myrtilloides** (Michx.) Fernald. See RHODORA xi. 54, 1909. Sherborn (*M. L. Loomis*, May 18, 1912); Tyngsboro (*F. S. Collins*, May 15, 1910).

V. pennsylvanicum Lam., var. **nigrum** Wood. Middlesex Falls, Winchester (*S. F. Blake*, July 21, 1912); specimen in herb. Boston Soc. Nat. Hist.

V. vacillans Kalm. Dry woods and light open soil, common.

V. Vitis-Idaea L., var. **minus** Lodd. "In pascuis siccis ad Danvers" (*Wm. Oakes*, about 1820). Specimens in herb. Gray and herb. N. E. Botanical Club. "The Danvers locality seems to stand alone toward the south" (Oakes). Also moist woods under pines, Putnamville, Danvers (*J. A. Sears*, June 18, 1897). See *J. Robinson*, Fl. Essex Co. 71, 1880.

C. H. KNOWLTON } Committee on
WALTER DEANE } Local Flora